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## (54) SLOWLY DRUG-RELEASABLE CALCIUM PHOSPHATE CEMENT

### (57)Abstract:

PURPOSE: To obtain the slowly drug-releasable calcium phosphate cement having excellent bioaffinity and less biostimulability by using a mixture composed of tertiary calcium phosphate and secondary calcium phosphate which are so mixed as to attain 1.40 to 1.498Ca/P molar ratio as the essential component of the powder agent of the calcium phosphate cement.

CONSTITUTION: The mixture composed of the tertiary calcium phosphate and secondary calcium phosphate which are so mixed as to attain 1.40 to 1.498Ca/P molar ratio is used as the essential component of the power agent of the calcium phosphate cement consisting of the power agent and a liquid agent and contg. the drug. The tertiary calcium phosphate consists of a mixture composed of  $\alpha$ type tertiary calcium phosphate and  $\beta$  type tertiary calcium phosphate. This slowly drug-releasable calcium phosphate cement consists of the calcium phosphate cement made of the specific compsn. having the high bioaffinity as its base material and, therefore, has excellent operability, has no possibility of impairing the drug action of the drug and is low in the biostimulability.

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